



12AH7-GT

## MEDIUM-MU TWIN TRIODE

12AH7-GT

## GENERAL DATA

## Electrical:

Heater, for Unipotential Cathodes:

Voltage. . . . . 12.6 . . . . . ac or dc volts

Current. . . . . 0.15 . . . . . amp

Direct Interelectrode Capacitances (Approx.):<sup>0</sup>

	Unit No. 1	Unit No. 2	
Grid to plate. . . . .	3	2.2	$\mu\text{mf}$
Grid to cathode and heater . . . . .	2.8	3.2	$\mu\text{mf}$
Plate to cathode and heater . . . . .	2.6	3	$\mu\text{mf}$
Plate of unit No. 1 to plate of unit No. 2 . . . . .	0.4		$\mu\text{mf}$
Grid of unit No. 1 to grid of unit No. 2 . . . . .	0.06		$\mu\text{mf}$

Characteristics, Class A<sub>1</sub> Amplifier (Each unit):

Plate Voltage. . . . .	100	180	volts
Grid Voltage . . . . .	-3.6	-6.5	volts
Amplification Factor . . . . .	16	16	
Plate Resistance (Approx.) . . . .	10300	8400	ohms
Transconductance . . . . .	1550	1900	$\mu\text{mhos}$
Plate Current. . . . .	3.7	7.6	ma
Grid Voltage (Approx.) for plate current of 10 $\mu\text{amp}$ . . . . .	-8.5	-16	volts

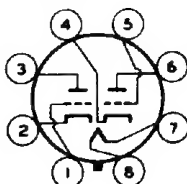
## Mechanical:

Mounting Position. . . . .	Any
Maximum Overall Length . . . . .	3-1/16"
Maximum Seated Length. . . . .	2-1/2"
Maximum Diameter . . . . .	1-9/32"
Dimensional Outline. . . . .	See General Section

Sulb . . . . . T-9

Base . . . . . Intermediate-Shell Octal 8-Pin (JETEC No. B8-6)

Basing Designation for BOTTOM VIEW . . . . . 8BE

Pin 1 - Grid of  
Unit No. 2Pin 2 - Cathode of  
Unit No. 2Pin 3 - Plate of  
Unit No. 2Pin 4 - Cathode of  
Unit No. 1Pin 5 - Grid of  
Unit No. 1Pin 6 - Plate of  
Unit No. 1

Pin 7 - Heater

Pin 8 - Heater

<sup>0</sup> With external shield JETEC No. 308 connected to cathode of unit under test.

← Indicates a change.

SEPT. 1, 1955

TUBE DIVISION

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RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

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### AMPLIFIER - Class A<sub>1</sub>

Values are for Each Unit

#### Maximum Ratings, Design-Center Values:

PLATE VOLTAGE. . . . .	180 max.	volts
PLATE-SUPPLY VOLTAGE . . . . .	300 max.	volts
PLATE DISSIPATION. . . . .	1.5 max.	watt

#### → PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode.	200 max.	volts
Heater positive with respect to cathode.	200 <sup>▲</sup> max.	volts

<sup>▲</sup> The dc component must not exceed 100 volts.

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